

GenCore version 4.5
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Om nucleic : nucleic search, using sw model

Run on: November 2, 1999, 03:31:11 ; Search time 33.69 Seconds

64.853 Million cell updates/sec

Title: US-08-978-217-13

Perfect score: 21

Sequence: 1 CCGGGACATCCATCCACCC 21

Scoring table: IDENTITY_NUC

Searched: 192659 seqs, 52021692 residues

Issued_Patents_NA:*

1: /cggn2_6/ptodata/1/ina/5A_COMB.seq:*

2: /cggn2_6/ptodata/1/ina/5B_COMB.seq:*

3: /cggn2_6/ptodata/1/ina/5C_COMB.seq:*

4: /cggn2_6/ptodata/1/ina/5D_COMB.seq:*

5: /cggn2_6/ptodata/1/ina/PCRS9_COMB.seq:*

6: /cggn2_6/ptodata/1/ina/backfiles.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
1.	21	100.0	1920	US-08-746-789A-1
C 2	16.2	77.1	165	US-08-456-647B-1
C 3	16.2	77.1	165	US-08-237-401A-1
C 4	15.2	72.4	10763	US-08-761-259-1
C 5	15.2	72.4	1320	US-08-461-775-8
C 6	15.2	72.4	2167	US-08-451-775-9
C 7	15.2	72.4	1620	US-08-775-10
C 8	15.2	72.4	2568	US-08-611-775-11
C 9	15.2	72.4	10763	US-08-977-300-1
C 10	14.8	70.5	2896	US-08-441-420-31
C 11	14.8	70.5	2995	US-08-441-430-32
C 12	14.8	70.5	1801	US-08-557-91A-1
C 13	14.6	69.5	4831	US-08-609-27
C 14	14.6	69.5	4181	US-07-670-611-1
C 15	14.6	69.5	206	US-07-670-611-12
C 16	14.6	69.5	37	US-08-203-004-6
C 17	14.6	69.5	4181	US-08-220-674-1
C 18	14.6	69.5	206	US-08-220-674-12
C 19	14.6	69.5	4181	US-08-186-189-1
C 20	14.6	69.5	206	US-08-445-186-12
C 21	14.6	69.5	31571	US-08-323-445B-1
C 22	14.6	69.5	4181	US-08-446-549-12
C 23	14.6	69.5	206	US-08-446-549-12
C 24	14.6	69.5	3475	US-07-360-381-1
C 25	14.6	69.5	4181	US-08-446-550-1
C 26	14.6	69.5	206	US-08-446-550-12
C 27	14.6	69.5	3132	US-08-224-482-3
C 28	14.6	69.5	2896	US-08-592-871-1
C 29	14.6	69.5	1245	US-08-750-524-2
C 30	14.6	69.5	2259	US-08-835-998-3
C 31	14.6	69.5	1154	US-09-016-366A-16
C 32	14.6	69.5	1137	US-09-016-366A-18
C 33	14.6	69.5	1128	US-09-016-366A-20
C 34	14.6	69.5	1081	US-09-016-366A-22
C 35	14.6	69.5	5434	US-08-841-399-1
C 36	14.4	68.6	1450	US-07-923-699C-5
C 37	14.4	68.6	4276	US-07-923-324A-3

ALIGNMENTS

RESULT	1	US-08-746-789A-1
;	Sequence 1, Appli	
Patent No. 5789200		
GENERAL INFORMATION:		
APPLICANT: Ismail Kola, Martin J. Tymins, Christine Debouck		
TITLE OF INVENTION: A No. 5789200el Human ETS Family Member, ELF3		
NUMBER OF SEQUENCES: 4		
CORRESPONDENCE ADDRESS:		
ADDRESSEE: SmithKline Beecham Corporation		
STREET: 709 Swedeland Road, P.O. Box 1539		
CITY: King of Prussia		
STATE: PA		
ZIP: 19406-0939		
COMPILER READABLE FORM:		
MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE		
COMPUTER: IBM 486		
OPERATING SYSTEM: WINDOWS FOR WORKGROUPS		
SOFTWARE: MICROSOFT WORD		
CURRENT APPLICATION DATA:		
APPLICATION NUMBER: US/08-746-789A		
FILING DATE: NO. 5789200ember 15, 1996		
CLASSIFICATION: 514		
PRIOR APPLICATION DATA:		
APPLICATION NUMBER:		
FILING DATE:		
ATTORNEY/AGENT INFORMATION:		
NAME: William T. Han		
REGISTRATION NUMBER: 34,344		
REFERENCE/DOCKET NUMBER: ATG 50024		
TELECOMMUNICATION INFORMATION:		
TELEPHONE: 610 270 5219		
TELEFAX: 610 270 4026		
INFORMATION FOR SEQ ID NO: 1:		
SEQUENCE CHARACTERISTICS:		
LENGTH: 1920		
TYPE: Nucleic Acid		
STRANDEDNESS: Single		
TOPOLOGY: Linear		
; ANTI-SENSE: NO		
US-08-746-789A-1		

Query Match Best Local Similarity 100 %; Score 21; DB 3; Length 1920; Matches 21; Conservative 0%; Pred. No. 0.24; Indels 0; Gaps 0;

OY	1	CCGGGACATCCATCCACCC 21
Db	951	CCGGGACATCCATCCACCC 971

RESULT

2

US-08-456-647B-1/C

; Sequence 1, Application

US/08456647B

; Patent No. 5811515

; GENERAL INFORMATION:

APPLICANT: Lemke Ph.D. et al., Greg E.

; TITLE OF INVENTION: PROTEIN-TYROSINE KINASE GENES

NUMBER OF SEQUENCES: 54
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Fish & Richardson P.C.
 STREET: 4225 Executive Square, Suite 1400
 CITY: La Jolla
 STATE: CA
 COUNTRY: US
 ZIP: 92037
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 CURRENT APPLICATION NUMBER: US/08/237,401A
 FILING DATE: 02-MAY-1994
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Halle Ph.D., Lisa A.
 REGISTRATION NUMBER: 39,347
 REFERENCE/DOCKET NUMBER: 07251/007001
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (619) 678-5070
 TELEX/FAX: (619) 678-5099
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 165 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 MOLECULE TYPE: DNA
 IMMEDIATE SOURCE:
 CLONE: Tyro-1
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 1..165
 US-08-456-647B-1

Query Match 77.1%; Score 16.2; DB 3; Length 165;
 Best Local Similarity 85.7%; Pred. No. 27;
 Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
 QY 1 CCGGGACATCCATCCACCC 21
 ||||| ||||| ||||| |||||
 Db 76 CCGGGTCACTCAAGCACCC 56

RESULT 4
 US-08-761-258-1
 Sequence 1, Application US/08761258
 Patent No. 5756087
 GENERAL INFORMATION:
 APPLICANT: Ligon, James M.
 APPLICANT: Hill, Dwight S.
 APPLICANT: Lam, Stephen T.
 APPLICANT: Gaffney, Thomas D.
 APPLICANT: Tokarowitz, Nancy
 TITLE OF INVENTION: Genetically Modified *Pseudomonas* Strains
 TITLE OF INVENTION: With Enhanced Biocontrol Activity
 NUMBER OF SEQUENCES: 11
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Ciba-Geigy Corporation
 STREET: 520 White Plains Road, P.O. Box 2005
 CITY: Tarrytown
 STATE: NY
 COUNTRY: USA
 ZIP: 10591
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/761,258
 FILING DATE: 05-JUN-1995
 CLASSIFICATION: 424
 ATTORNEY/AGENT INFORMATION:
 NAME: Meigs, J. Timothy
 REGISTRATION NUMBER: 38,241
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (919) 541-8587

RESULT 3
 US-08-237-401A-1/c
 Sequence 1, Application US/08237401A
 Patent No. 5837448
 GENERAL INFORMATION:
 APPLICANT: Lemke, Ph.D. et al., Greg E.
 APPLICANT: Lemke, Ph.D. et al., Greg E.
 TITLE OF INVENTION: PROTEIN-TYROSINE KINASE GENES
 NUMBER OF SEQUENCES: 54
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Fish & Richardson P.C.
 STREET: 4225 Executive Square, Suite 1400
 CITY: La Jolla
 STATE: CA
 COUNTRY: US
 ZIP: 92037
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/761,258
 FILING DATE: 05-JUN-1995
 CLASSIFICATION: 424
 ATTORNEY/AGENT INFORMATION:
 NAME: Meigs, J. Timothy
 REGISTRATION NUMBER: 38,241
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (919) 541-8587

TELEFAX: (919) 541-8689
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 10763 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 ORIGINAL SOURCE:
 ORGANISM: *Pseudomonas fluorescens*
 STRAIN: CGA267356 (aka MOCG134 and aka Bl915)
 IMMEDIATE SOURCE:
 CLONE: Plasmid pBlI
 FEATURE:
 NAME/KEY: misc_feature
 LOCATION: 210..1688
 OTHER INFORMATION: /product= "methyltransferase"
 OTHER INFORMATION: /note= "Coding sequence for methyltransferase has homology to the rcsC, ffrz, and bvgS genes of *E. coli*, *M. xanthus*, and *Myxococcus xanthus*, respectively."
 OTHER INFORMATION: respectively.
 FEATURE:
 NAME/KEY: misc_feature
 LOCATION: 1906..3633
 OTHER INFORMATION: /product= "sensor kinase"
 OTHER INFORMATION: /note= "Coding sequence for sensor kinase has homology to the rcsC, ffrz, and bvgS genes of *E. coli*, *M. xanthus*, and *Myxococcus xanthus*, respectively."
 OTHER INFORMATION: Bordetella pertussis, respectively.
 FEATURE:
 NAME/KEY: misc_rna
 LOCATION: complement (4615..4691)
 OTHER INFORMATION: /product= "tRNA"
 OTHER INFORMATION: /note= "(complementary DNA strand) Homology to glyW from *E. coli*."
 OTHER INFORMATION: Coli.
 FEATURE:
 NAME/KEY: misc_feature
 LOCATION: complement (4731..5318)
 OTHER INFORMATION: /product= "tRNA"
 OTHER INFORMATION: /note= "Coding sequence for tRNA"
 OTHER INFORMATION: atidyltrns.
 OTHER INFORMATION: /note= "Coding sequence for CDP-diacylglycerol-glycerol-3-phosphate-3-phosphatidyltransfase."
 OTHER INFORMATION: /note= "Coding sequence for CDP-diacylglycerol-glycerol-3-phosphate-3-phosphatidyltransfase."
 OTHER INFORMATION: se has homology to pgSA."
 OTHER INFORMATION: se has homology to pgSA."
 FEATURE:
 NAME/KEY: misc_feature
 LOCATION: complement (5574..7397)
 OTHER INFORMATION: /product= "UVR exonuclease subunit C"
 OTHER INFORMATION: /note= "Coding sequence for UVR exonuclease subunit C has homology to uvrc."
 OTHER INFORMATION: homology to uvrc.
 FEATURE:
 NAME/KEY: misc_feature
 LOCATION: complement (7400..8041)
 OTHER INFORMATION: /function= "response regulator/transcription activator"
 OTHER INFORMATION: /product= "gaca (aka gafA)"
 OTHER INFORMATION: /note= "Coding sequence for gaca (aka gafA) has homology to tuvr and gaca genes of *E. coli* and *Ps. fluorescens*, respectively."
 OTHER INFORMATION: respectively.
 US-08-761-258-1

Query Match 72.4%; Score 15.2; DB 2; Length 10763;
 Best Local Similarity 85.0%; Pred. No. 1e+02; Length 10763;
 Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
 QY 1 CCGGGACATCTCATCCACC 20
 Db 645 CCCGTACATCTGATCCACC 664

RESULT 6 US-08-461-775-9
 Sequence 9, Application US/08461775
 ; Sequence 9, Application US/08461775
 ; Patent No. 5858773
 ; GENERAL INFORMATION:
 ; APPLICANT: MAZODIER, Philippe
 ; APPLICANT: GUGLIEMI, Gerard
 ; TITLE OF INVENTION: REGULATORY NUCLEOTIDE SEQUENCE OF THE
 ; TITLE OF INVENTION: INITIATION OF TRANSCRIPTION
 ; NUMBER OF SEQUENCES: 15
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Burns, Deane, Swecker & Mathis
 ; STREET: George Mason Blvd., Washington & Prince Sts.
 ; CITY: Alexandria
 ; STATE: Virginia
 ; COUNTRY: United States
 ; ZIP: 22313-1404
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/461,775
 FILING DATE:
 CLASSIFICATION: 435
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/050,313
 FILING DATE: 10-MAY-1993
 APPLICATION NUMBER: FR 9011186
 FILING DATE: 10-SEP-1990
 ATTORNEY/AGENT INFORMATION:
 NAME: Crane-Feury, Sharon E
 REGISTRATION NUMBER: 36,113
 REFERENCE/DOCKET NUMBER: 010830-035
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (703) 836-6620
 FAX: (703) 836-2021
 INFORMATION FOR SEQ ID NO: 8:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1320 base pairs
 STRANDEDNESS: double
 TYPE: nucleic acid
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 1..1320
 US-08-461-775-8

Query Match 72.4%; Score 15.2; DB 3; Length 1320;
 Best Local Similarity 85.0%; Pred. No. 86; Length 1320;
 Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
 QY 1 CCGGGACATCTCATCCACC 20
 Db 645 CCCGTACATCTGATCCACC 664

RESULT 6 US-08-461-775-9
 Sequence 9, Application US/08461775
 ; Sequence 9, Application US/08461775
 ; Patent No. 5858773
 ; GENERAL INFORMATION:
 ; APPLICANT: MAZODIER, Philippe
 ; APPLICANT: GUGLIEMI, Gerard
 ; TITLE OF INVENTION: REGULATORY NUCLEOTIDE SEQUENCE OF THE
 ; TITLE OF INVENTION: INITIATION OF TRANSCRIPTION
 ; NUMBER OF SEQUENCES: 15
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Burns, Deane, Swecker & Mathis
 ; STREET: George Mason Blvd., Washington & Prince Sts.
 ; CITY: Alexandria

STATE: Virginia
 COUNTRY: United States
 ZIP: 22313-1404
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/461,775
 FILING DATE:
 CLASSIFICATION: 435
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/050,313
 FILING DATE: 10-MAY-1993
 ATTORNEY/AGENT INFORMATION:
 NAME: Crane-Feury, Sharon E
 REGISTRATION NUMBER: 36,113
 REFERENCE/DOCKET NUMBER: 010830-035
 TELEPHONE: (703) 836-6620
 TELEFAX: (703) 836-2021
 INFORMATION FOR SEQ ID NO: 10:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1620 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 1..1620
 US-08-461-775-10

RESULT 7
 S-08-461-775-10
 Sequence 10, Application US/08461775
 Patent No. 585873
 GENERAL INFORMATION:
 APPLICANT: MAZODIER, Philippe
 APPLICANT: GUGLIEMI, Gerard
 TITLE OF INVENTION: REGULATORY NUCLEOTIDE SEQUENCE OF THE
 TITLE OF INVENTION: INITIATION OF TRANSCRIPTION
 NUMBER OF SEQUENCES: 15
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Burns, Doane, Swecker & Mathis
 STREET: George Mason Bldg., Washington & Prince Sts.
 CITY: Alexandria
 STATE: Virginia
 COUNTRY: United States
 ZIP: 22313-1404

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/461,775
 FILING DATE:
 CLASSIFICATION: 435
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/050,313
 FILING DATE: 10-MAY-1993
 APPLICATION NUMBER: FR 9011186
 FILING DATE: 10-SEP-1990
 ATTORNEY/AGENT INFORMATION:
 NAME: Crane-Feury, Sharon E
 REGISTRATION NUMBER: 36,113
 REFERENCE/DOCKET NUMBER: 010830-035
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (703) 836-6620
 TELEFAX: (703) 836-2021
 INFORMATION FOR SEQ ID NO: 11:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2668 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single

RESULT 8
 S-08-461-775-11
 Sequence 11, Application US/08461775
 Patent No. 585873
 GENERAL INFORMATION:
 APPLICANT: MAZODIER, Philippe
 APPLICANT: GUGLIEMI, Gerard
 TITLE OF INVENTION: REGULATORY NUCLEOTIDE SEQUENCE OF THE
 TITLE OF INVENTION: INITIATION OF TRANSCRIPTION
 NUMBER OF SEQUENCES: 15
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Burns, Doane, Swecker & Mathis
 STREET: George Mason Bldg., Washington & Prince Sts.
 CITY: Alexandria
 STATE: Virginia
 COUNTRY: United States
 ZIP: 22313-1404

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/461,775
 FILING DATE:
 CLASSIFICATION: 435
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/050,313
 FILING DATE: 10-MAY-1993
 APPLICATION NUMBER: FR 9011186
 FILING DATE: 10-SEP-1990
 ATTORNEY/AGENT INFORMATION:
 NAME: Crane-Feury, Sharon E
 REGISTRATION NUMBER: 36,113
 REFERENCE/DOCKET NUMBER: 010830-035
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (703) 836-6620
 TELEFAX: (703) 836-2021
 INFORMATION FOR SEQ ID NO: 11:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2668 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single

TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 US-08-461-775-11

Query Match 72.4%; score 15.2; DB 3; Length 2668;
 Best Local Similarity 85.0%; pred. No. 91; Mismatches 0;
 Matches 17; Conservative 0; Indels 3; Gaps 0;
 Name/Key: cccggacatcttcattcacc 20

FEATURE: OTHER INFORMATION: /product= "sensor kinase"
 OTHER INFORMATION: /note= "Coding sequence for sensor kinase has homology to rscC, frE, and bvg genes of E. coli, M. Xanthus, and Bordetella pertussis, respectively."
 FEATURE: NAME/KEY: misc_rna
 LOCATION: complement (4616..4691)
 OTHER INFORMATION: /product= "tRNA"
 OTHER INFORMATION: /note= "(complementary DNA strand) Homology to glyw from E. coli."
 FEATURE: NAME/KEY: misc_feature
 LOCATION: complement (4731..5318)
 OTHER INFORMATION: /product= "CDP-diacylglycerol-glycerol-3-phosphate-3-phosphatidyltrans"

Qy 1 1 cccggacatcttcattcacc 20
 Db 1493 CCCGTACATCTGATCCACC 1512

GENERAL INFORMATION:
 APPLICANT: Ligon, James M.
 APPLICANT: Hill, Dwight S.
 APPLICANT: Gaffney, Thomas D.
 PATENT NO. 5955343B
 APPLICANT: Tokewitz, Nancy
 APPLICANT: Stafford, Jill M.

TITLE OF INVENTION: Genetically Modified Pseudomonas Strains
 TITLE OF INVENTION: with Enhanced Biocontrol Activity Strains
 NUMBER OF SEQUENCES: 11
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: No. 5955343artis Corporation
 STREET: 3054 Cornwallis Road
 CITY: Research Triangle Park
 STATE: NC
 COUNTRY: USA
 ZIP: 27709

COMPUTER READABLE FORM:
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, version #1.30

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/977,306
 FILING DATE: CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Meigs, J. Timothy
 REGISTRATION NUMBER: 36,241
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (919) 541-5587
 TELEFAX: (919) 541-8689
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 10763 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 ORIGINAL SOURCE:
 ORGANISM: Pseudomonas fluorescens
 STRAIN: CGA267356 (aka MCG134 and aka BL915)
 IMMEDIATE SOURCE:
 CLONE: Plasmid pE11
 FEATURE: NAME/KEY: misc_feature
 LOCATION: 210..1688
 OTHER INFORMATION: /product= "methyltransferase"
 OTHER INFORMATION: /note= "Coding sequence for methyltransferase has homology to the cher and frzF genes from E. coli and Myxococcus xanthus, respectively."
 OTHER INFORMATION: NAME/KEY: misc_feature
 LOCATION: 1306..3633

RESULT 9
 Query Match 72.4%; score 15.2; DB 4; Length 10763;
 Best Local Similarity 85.0%; pred. No. 1e+02; Mismatches 0;
 Matches 17; Conservative 0; Indels 3; Gaps 0;
 Name/Key: cccggacatcttcattcacc 20

FEATURE: OTHER INFORMATION: /product= "uvry"
 OTHER INFORMATION: /note= "Coding sequence for UVR exonuclease subunit C has homology to uvrc."
 FEATURE: NAME/KEY: misc_feature
 LOCATION: complement (7400..8041)
 OTHER INFORMATION: /product= "UVR exonuclease subunit C"
 OTHER INFORMATION: /note= "Coding sequence for UVR exonuclease subunit C has homology to uvrc."
 OTHER INFORMATION: /function= "response regulator/transcription activator"
 OTHER INFORMATION: /product= "gaca" (aka gafA)
 OTHER INFORMATION: /note= "Coding sequence for gaca (aka gafA) has homology to uvry and gaca genes of E. coli and ps. fluorescens, respectively."
 OTHER INFORMATION: /note= "Coding sequence for gaca (aka gafA) has homology to uvry and gaca genes of E. coli and ps. fluorescens, respectively."

US-08-977-306-1

RESULT 10
 Query Match 72.4%; score 15.2; DB 4; Length 10763;
 Best Local Similarity 85.0%; pred. No. 1e+02; Mismatches 0;
 Matches 17; Conservative 0; Indels 3; Gaps 0;
 Name/Key: cccggacatcttcattcacc 20

FEATURE: OTHER INFORMATION: /product= "uvry"
 OTHER INFORMATION: /note= "Coding sequence for UVR exonuclease subunit C has homology to uvrc."
 FEATURE: NAME/KEY: misc_feature
 LOCATION: complement (4411..4492)
 OTHER INFORMATION: /product= "uvry"
 OTHER INFORMATION: /note= "Coding sequence for UVR exonuclease subunit C has homology to uvrc."
 GENERAL INFORMATION:
 APPLICANT: Buchwald, Manuel
 APPLICANT: Stratdee, Craig A.
 APPLICANT: Wevrick, Rachel
 APPLICANT: Mathew, Christopher George Porier
 APPLICANT: Mathew, Christopher George Porier
 TITLE OF INVENTION: Fanconi Anemia Type C Gene
 NUMBER OF SEQUENCES: 73
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Richard J. Polley, Esq.
 ADDRESS: Klarquist, Sparkman, Campbell, Leigh &
 ADDRESS: Whinston, LLP
 STREET: 121 S.W. Salmon, Suite 1600
 CITY: Portland
 STATE: Oregon
 COUNTRY: U.S.A.
 ZIP: 97204

COMPUTER READABLE FORM:
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: MS DOS
 SOFTWARE: WordPerfect 5.1/ASCII Text File
 CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/441,430
 FILING DATE: May 15, 1995
 CLASSIFICATION: 435
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: U.S. 07/876,285
 FILING DATE: April 29, 1992
 APPLICATION NUMBER: U.S. 07/918,313
 FILING DATE: July 21, 1992
 APPLICATION NUMBER: U.S. 08/003,963
 FILING DATE: January 15, 1993
 ATTORNEY/AGENT INFORMATION:
 NAME: Richard J. Polley, Esq.
 REGISTRATION NUMBER: 28,107
 REFERENCE/DOCKET NUMBER: 3812-42824
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (503) 226-7391
 TELEFAX: (503) 228-9446
 INFORMATION FOR SEQ ID NO: 31:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2896 base pairs
 REFERENCE/DOCKET NUMBER: 3812-42824
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2896 base pairs
 TYPE: Nucleic Acid
 STRANDEDNESS: Double stranded
 ORGANISM: Mouse
 TOPOLOGY: Linear
 MOLECULE TYPE: cDNA to mRNA
 HYPOTHETICAL: NO
 ANTI-SENSE: No
 ORIGINAL SOURCE:
 S-08-441-430-31

RESULT 11
 Query Match 70.5%; Score 14.8; DB 2; Length 2896;
 Best Local Similarity 88.9%; Pred. No. 1.4e+02; Mismatches 0; Indels 0; Gaps 0;
 Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

GENERAL INFORMATION:
 Sequence No. 5681942
 APPLICANT: Buchwald, Manuel
 APPLICANT: Strathee, Craig A.
 APPLICANT: Wevrick, Rachel
 APPLICANT: Mathew, Christopher George Porter
 TITLE OF INVENTION: Fanconi Anemia Type C Gene
 NUMBER OF SEQUENCES: 73

CORRESPONDENCE ADDRESS:
 ADDRESSEE: Richard J. Polley, Esq.
 ADDRESSEE: Klarquist, Sparkman, Campbell, Leigh &
 STREET: 121 S.W. Salmon, Suite 1600
 CITY: Portland
 STATE: Oregon
 COUNTRY: U.S.A.
 ZIP: 97204

COMPUTER READABLE FORM:
 COMPUTER REARABLE FORM:
 MEDIUM TYPE: Diskette, 3.50 inch, 1.44 Mb storage
 COMPUTER: IBM compatible
 OPERATING SYSTEM: MS DOS
 SOFTWARE: WordPerfect 5.1/ASCII Text File

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/441,430
 FILING DATE: May 15, 1995
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Farah, David A.
 REGISTRATION NUMBER: 38,134
 REFERENCE/DOCKET NUMBER: 11201
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (618)796-4000
 TELEFAX: (618)795-6211
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1501 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 MOLECULE TYPE: cDNA to mRNA

APPLICATION NUMBER: US/08/441,430
 FILING DATE: July 21, 1992
 CLASSIFICATION: 435
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: U.S. 07/876,285
 FILING DATE: April 29, 1992
 APPLICATION NUMBER: U.S. 07/918,313
 FILING DATE: January 15, 1993
 ATTORNEY/AGENT INFORMATION:
 NAME: Richard J. Polley, Esq.
 REGISTRATION NUMBER: 28,107
 REFERENCE/DOCKET NUMBER: 3812-42824
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (503) 226-7391
 TELEFAX: (503) 228-9446
 INFORMATION FOR SEQ ID NO: 32:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2395 base pairs
 TYPE: Nucleic Acid
 STRANDEDNESS: Double stranded
 TOPOLOGY: Linear
 MOLECULE TYPE: cDNA to mRNA
 HYPOTHETICAL: NO
 ANTI-SENSE: No
 ORIGINAL SOURCE:
 S-08-441-430-32

RESULT 12
 Query Match 70.5%; Score 14.8; DB 2; Length 2995;
 Best Local Similarity 88.9%; Pred. No. 1.4e+02; Mismatches 0; Indels 0; Gaps 0;
 Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

GENERAL INFORMATION:
 Sequence 1, Application US/08557917A
 Patent No. 5756000
 APPLICANT: Bronstein, Jeff M.
 APPLICANT: Seitz, Robert S.
 APPLICANT: Hallone, Roger L.
 TITLE OF INVENTION: Oligodendrocyte-Specific Protein and Method for
 Diagnosing and Treating Disease
 NUMBER OF SEQUENCES: 3
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Sheldon & Mak
 STREET: 225 S. Lake Avenue, 9th Floor
 CITY: Pasadena
 STATE: California
 ZIP: 91101
 COMPUTER REARABLE FORM:
 MEDIUM TYPE: Diskette, 3.50 inch, 1.44 Mb storage
 COMPUTER: IBM compatible
 OPERATING SYSTEM: Windows version 3.11
 SOFTWARE: Wordperfect for Windows version 6.1
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/557,917A
 FILING DATE: 14-NOVEMBER-1995
 CLASSIFICATION: 436
 ATTORNEY/AGENT INFORMATION:
 NAME: Farah, David A.
 REGISTRATION NUMBER: 38,134
 REFERENCE/DOCKET NUMBER: 11201
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (618)796-4000
 TELEFAX: (618)795-6211
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1501 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 MOLECULE TYPE: cDNA to mRNA

US-08-557-917A-1

Query Match Similarity 70.5%; Score 14.8; DB 2; length 1801;
 Best Local Similarity 88.9%; Pred. No. 1.3e+02; Pred. No. 1.3e+02;
 Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 4 GGACATCTCATCCACCC 21
 Db 366 GGACATCTCATCCACCC 383

RESULT 13

US-08-609-049A-27

Sequence 27, Application US/08609049A

Patent No. 5948664

GENERAL INFORMATION:

APPLICANT: Williams, Lewis T.

APPLICANT: Molz, Lisa

APPLICANT: Chen, Yen-wen

TITLE OF INVENTION: No. 5948664el PI 3-Kinase Polypeptides

NUMBER OF SEQUENCES: 32

CORRESPONDENCE ADDRESS:

ADDRESSEE: Townsend and Crew LLP

STREET: Two Embarcadero Center, 8th Floor

CITY: San Francisco

STATE: California

COUNTRY: USA

ZIP: 94111-3834

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/609,049A

FILING DATE: 29-FEB-1996

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Dow, Karen B.

REGISTRATION NUMBER: 29,684

REFERENCE/DOCKET NUMBER: 2307K-06370005

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415-326-2400

TELEFAX: 415-326-2422

INFORMATION FOR SEQ ID NO: 27:

SEQUENCE CHARACTERISTICS:

LENGTH: 6831 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLogy: linear

MOLECULE TYPE: DNA

FEATURE:

NAME/KEY: CDS

LOCATION: 148..5775

US-08-609-049A-27

RESULT 15

US-07-670-611-12/C

Sequence 12, Application US/07670611

Patent No. 5330892

GENERAL INFORMATION:

APPLICANT: Vogelstein, Bert

APPLICANT: Kinzler, Kenneth W.

APPLICANT: White, Raymond

APPLICANT: Nakamura, Yusuke

TITLE OF INVENTION: Gene Mutated in Colorectal Cancer of

NUMBER OF SEQUENCES: 19

CORRESPONDENCE ADDRESS:

ADDRESSEE: Banner, Birch et al.

STREET: 1001 G Street

CITY: Washington

STATE: D.C.

COUNTRY: U.S.A.

ZIP: 20001-4597

COMPUTER READABLE FORM:

APPLICANT: Kinzler, Kenneth W.

APPLICANT: White, Raymond

APPLICANT: Nakamura, Yusuke

TITLE OF INVENTION: Gene Mutated in Colorectal Cancer of

NUMBER OF SEQUENCES: 19

CORRESPONDENCE ADDRESS:

ADDRESSEE: Banner, Birch et al.

STREET: 1001 G Street

CITY: Washington

STATE: D.C.

COUNTRY: U.S.A.

ZIP: 20001-4597

Query Match Similarity 70.5%; Score 14.8; DB 4; length 6831;
 Best Local Similarity 88.9%; Pred. No. 1.5e+02; Pred. No. 1.5e+02;
 Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 CGGGACATCTCATCCA 18
 Db 2215 CGGGACATCTCATCCA 2232

RESULT 14

US-07-670-611-1/C

Sequence 1, Application US/07670611

Patent No. 5330892

GENERAL INFORMATION:

APPLICANT: Vogelstein, Bert

APPLICANT: Kinzler, Kenneth W.

APPLICANT: White, Raymond

APPLICANT: Nakamura, Yusuke

TITLE OF INVENTION: Gene Mutated in Colorectal Cancer of

NUMBER OF SEQUENCES: 19

CORRESPONDENCE ADDRESS:

ADDRESSEE: Banner, Birch et al.

STREET: 1001 G Street

CITY: Washington

STATE: D.C.

COUNTRY: U.S.A.

ZIP: 20001-4597

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0. Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/670,611
FILING DATE: 19910313
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Kagan, Sarah A.
REGISTRATION NUMBER: 32,141
REFERENCE/DOCKET NUMBER: 1107.33981
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-508-9100
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 206 base Pairs
TYPE: NUCLEAR ACID
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: 32..172
FEATURE:
NAME/KEY: exon
LOCATION: 32..174
US-07-670-611-12

Search completed: November 2, 1999, 04:12:54
Job time: 2503 sec